

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

APR 23 2003

Complete if Known

Application Number 09/248,738
 Filing Date February 10, 1999
 First Named Inventor: David A. Beyer
 Group Art Unit 2666
 Examiner Name Harper, K.C.
 Attorney Docket Number 3867P001

Sheet

1

8

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (If known)			
		4,270,211		Schlichte 375/356	5/26/1981	
		4,466,060		Riddle 709/242	8/14/1984	
		4,661,902		Hochsprung et al. 370/448	4/28/1987	
		4,677,617		O'Conner et al. 370/478	6/30/1987	
		5,088,032		Bosack 709/242	2/11/1992	
		5,130,987		Flammer 370/436	7/14/1992	
		5,142,533		Crisler et al. 370/349	8/25/1992	
		5,231,634		Giles et al. 370/348	7/27/1993	
		5,319,641		Fridrich et al. 370/447	6/7/1994	
		5,408,506		Mincher et al. 375/134	4/18/1995	
		5,416,473		Dulaney, III et al. 340/7.3	5/16/1995	
		5,502,724		Chen et al. 370/445	3/26/1996	
		5,519,717		Lorenzo et al. 375/1834	5/21/1996	
		5,548,578		Matsune et al. 370/248	8/20/1996	
		5,557,748		Norris 709/220	9/17/1996	
		5,600,635		Hamaki et al. 370/280	2/4/1997	
		5,638,371		Raychaudhuri et al. 370/310.2	6/10/1997	
		5,682,382		Shepard 370/342	10/28/1997	
		5,687,015		Abe 370/503	11/11/1997	
		5,706,291		Kainulainen et al. 370/503	1/6/1998	

RECEIVED

APR 29 2003

Technology Center 2600

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^a
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
		EP	0539737	A1	Natarajan	5/5/1993		
		EP	0565180	A2	Sharpe	10/13/1993		
		EP	0615364	A1	van Bokhust, et al.	9/14/1994		
		EP	0841763	A1	Rikinen et al.	5/13/1998		
		GB	2271251	A	Alasdair et al.	4/6/1994		
		GB	2313254	A	Robinson et al.	11/19/1997		
		WO	96/19887	A	Larsen et al.	6/27/1996		

Examiner Signature

Date Considered

6/18/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> <div style="text-align: center;">APR 23 2003</div>			Complete if Known	
			Application Number	09/248,738
			Filing Date	February 10, 1999
			First Named Inventor:	David A. Beyer
			Group Art Unit	2666
			Examiner Name	Harper, K.C.
Sheet	3 of 8	Attorney Docket Number	3867P001	

RECEIVED
 APR 29 2003
 Technology Center 2600



OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		PCT Search Report, PCT/US99/21238, 22 September 1999, Date of Mailing: 06 October 2000 (11 pgs.)	
		F.A. Tobagi and L. Kleinrock, "Packet switching in radio channels: Part II - the hidden terminal problem in carrier sense multiple-access modes and the busy-tone solution," IEEE Trans. Commun., Vol. COM-23, No. 12, pp. 1417-1433 (1975)	
		R.M. Metcalfe and D.R. Boggs, "ETHERNET: Distributed packet switching for local computer networks," Communications of the ACM, Vol. 19, No. 7, pp. 395-403 (1976)	
		C. Wu and V.O.K. Li, "Receiver-initiated busy-tone multiple access in packet radio networks," ACM SIGCOMM '87 Workshop: Frontiers in Computer Communications Technology, Stowe, VT, USA, pp. 11-13 (August 1987)	
		F.A. Tobagi and L. Kleinrock, "Packet switching in radio channels: Part III - polling and (dynamic) split-channel reservation multiple access," IEEE Trans. Commun., Vol. COM-24, No. 8, pp. 832-845 (1976)	
		P. Karn, "MACA - a new channel access method for packet radio," in ARRL/CRRL Amateur Radio 9th Computer Networking Conference, pp. 134-140, ARRL (April 1990)	
		C.L. Fullmer and J.J. Garcia-Luna-Acheves, "Solutions to Hidden Terminal Problems in Wireless Networks," Proceedings of ACM SIGCOMM '97, Cannes, France (September 14-18, 1997)	
		C.L. Fullmer and J.J. Garcia-Luna-Acheves, "Floor Acquisition Multiple Access (FAMA) for Packet-Radio Networks," Proceedings of ACM SIGCOMM '95, Cambridge, MA (August 28-September 1, 1995)	
		K.C. Chen, "Medium-Access Control of Wireless LANs for Mobile Computing," IEEE Network, Vol. 8, No. 5, pp. 50-63 (1994)	
		P802.11 Draft Standard for Information Technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications," IEEE P802.11/D10 (January 14, 1999)	
		V. Bharghavan, A. Demers, S. Shenker, and L. Zhang, "MACAW: A Media Access Protocol for Wireless LAN's," Proceedings of ACM Sigcomm '94, London, UK, pp. 212-225 (August 31-September 2, 1994)	

Examiner Signature	Date Considered	6/18/03
--------------------	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Substitute for Form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	09/248,738
		Filing Date	February 10, 1999
		First Named Inventor:	David A. Boye
		Group Art Unit	2666
Examiner Name	Harper, K.C.	APR 29 2003	
Attorney Docket Number	3867P001		
Sheet	4	of	8
OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		B. Vaduvur, "Access, Addressing and Security in Wireless Packet Networks," PhD thesis, University of California, Berkeley, Computer Science Department (1995)	
		A. Colvin, "CSMA with collision avoidance," Computer Communications, Vol. 6, No. 5, pp. 227-235 (1983)	
		W.F. Lo and H.T. Mouftah, "Carrier Sense Multiple Access with Collision Detection for Radio Channels," IEEE 13th International Communications and Energy Conference, pp. 244-247, IEEE (1984)	
		R. Rom, Collision Detection in Radio Channels," Local Area and Multiple Access Networks, pp. 235-249, Computer Science Press (1986)	
		G.S. Sidhu, R.F. Andrews, and A.B. Oppenheimer, "Inside Apple Talk, Second Edition, Addison-Wesley Publishing Company, Inc. (1990)	
		Timothy J. Shepard, "A Channel Access Scheme for Large Dense Packet Radio Networks," Proceedings of ACM SIGCOMM '96, Stanford University, pp. 1-12 (August 1996)	
		I. Chlamtac, Andras Farago, and Hongbiao Zhang, "Time-Spread Multiple-Access (TSMA) Protocols for Multihop Mobile Radio Networks," IEEE/ACM Transactions on Networking, Vol. 5, No. 6, pp. 804-812 (December 1997)	
		Ji-Her Ju and Victor O.K. Li, "An Optimal Topology-Transparent Scheduling Method in Multihop Packet Radio Networks," IEEE/ACM Transactions on Networking, Vol. 6, No. 3, pp. 298-306 (June 1998)	
		Chenxi Zhu and M.S. Corson, "A Five-Phase Reservation Protocol (FPRP) for Mobile Ad Hoc Networks," Proceedings of IEEE INFOCOM '98 (July 1998)	
		Z. Tang and J.J. Garcia-Luna-Acheves, "Hop Reservation Multiple Access (HRMA) for Multichannel Packet Radio Networks," Proceedings of IEEE IC3N '98: Seventh International Conference on Computer Communication Networks, Lafayette, Louisiana (October 12-15, 1998)	
		I. Chlamtac and A. Lerner, "Fair Algorithms for Maximal Link Activation in Multihop Radio Networks," IEEE Transactions on Communications, Vol. COM-35, No. 7 (July 1987)	

Examiner Signature		Date Considered	6/18/03
--------------------	---	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified) <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; font-size: small;">(use as many sheets as necessary)</p>				Complete if Known	
Application Number		09/248,738			
Filing Date		February 10, 1999			
First Named Inventor:		David A. Beyer			
Group Art Unit		2666			
Examiner Name		Harper, K.C.			
Attorney Docket Number		3867P001			

RECEIVED
APR 29 2003
Technology Center 2600

OTHER ART – NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		A. Ephremides and T. Truong, "Scheduling Broadcasts in Multihop Radio Networks," IEEE Transactions on Communications, Vol. COM-38, No. 4 (April 1990)	
		C. David Young, "USAP: a unifying dynamic distributed multichannel TDMA slot assignment protocol," MILCOM '96 Conference Proceedings, Vol. 1, pp. 235-239 (October 1996)	
		I. Chlamtac, W.R. Franta, and K.D. Levin, "BRAM: The Broadcast Recognizing Access Method," IEEE Trans. Commun., Vol. COM-27, No. 8 pp. 1183-1189 (August 1979)	
		J. Haartsen, et al., "Bluetooth: Vision, Goals, and Architecture," Mobile Computing and Communications Review, XP-0007854002, US, ACM, New York, NY, Vol. 2, No. 4, pp. 38-45 (October 1, 1998)	
		L. Kleinrock and F.A. Tobagi, "Packet Switching in Radio Channels: Part 1 - Carrier Sense Multiple Access Modes and Their Throughput-Delay Characteristics," IEEE Trans. Comm., Vol. COM-23, No. 12, pp. 1400-1416 (1975)	
		Barry M. Leiner, Donald L. Nielson, and Fouad A. Tobagi, "Issues in Packet Radio Network Design," Proceedings of the IEEE, Vol. 75, No. 1, pp. 6-20 (January 1987)	
		J.J. Garcia-Luna-Aceves, et al., "Wireless Internet Gateways (WINGS)," Annual Military Communications Conference, New York, New York, XP-000792611, IEEE pp. 1271-1276 (November 3, 1997)	
		J. Jubin and J. Tornow, "The DARPA Packet Radio Network Protocols," Proceedings of the IEEE, Vol. 75, No. 1, pp. 21-32 (January 1987)	
		J.J. Garcia-Luna-Aceves, et al., "Wireless Internet Gateways (WINGS)," Proc. IEEE MILCOM '97, Monterey, California (November 1997)	
		C.V. Ramamoorthy and W. Tsai, "An Adaptive Hierarchical Routing Algorithm," Proceedings of IEEE COMPSAC '83, Chicago, Illinois, pp. 93-104 (November 1993)	
	S. Murthy and J.J. Garcia-Luna-Aceves, "Loop-Free Internet Routing Using Hierarchical Routing Trees," Proc. IEEE INFOCOMM '97, Kobe, Japan (April 7-11, 1997)		

Examiner Signature	Date Considered	6/18/05
---------------------------	------------------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

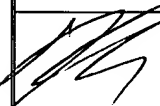
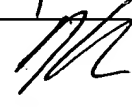
Application Number 09/248,738
 Filing Date February 10, 1999
 First Named Inventor: David A. Beyer
 Group Art Unit 2666
 Examiner Name Harper, K.C.
 Attorney Docket Number 3867P001

RECEIVED

APR 29 2003

Sheet 6 of 8 Technology Center 2600

OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Imrich Chlamtac and Andras Farago, "Making Transmission Schedules Immune to Topology Changes in Multi-Hop Packet Radio Networks," IEEE/ACM Transactions on Networking, Vol. 2, No. 1, pp. 23-29 (February 1994)	
		Durga P. Satapathy and Jon M. Peha, "Etiquette Modification for Unlicensed Spectrum: Approach and Impact," Proceedings of the IEEE Vehicular Technology Conference, Vol. 1, pp. 272-276 (May 1998)	
		J.J. Garcia-Luna-Aceves and Chane L. Fullmer, "Performance of Floor Acquisition Multiple Access in Ad-Hoc Networks"	
		Anthony Ephremides and Bruce Hajek, "Information Theory and Communication Networks: an Unconsummated Union," IEEE Transactions on Information Theory, Vol. 44, No. 6, pp. 1 & 3 (October 1998)	
		C. David Young, "USAP: A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol," Rockwell International Communication Systems Division, pp. 1-5 (October 1996)	
		S. Ramanathan and Errol L. Lloyd, "Scheduling Algorithms for Multi-hop Radio Networks," ACM Transactions, pp. 211-222 (1992)	
		David A. Beyer, "Accomplishments of the DARPA SURAN Program," Information and Telecommunications Sciences and Technology Division, SRI International, pp. 0855-0862 (June 1990)	
		David A. Beyer, et al., "Packet Radio Network Research, Development and Application," Information and Telecommunications Sciences and Technology Division, SRI International, pp. 1-35	
		J.J. Garcia-Luna-Aceves and David A. Beyer, "A Unified Routing Approach for Ad-Hoc Internetworking," Rooftop Communications Corporation, pp. 1-16	
		N. Abramson, "The ALOHA System - Another Alternative for Computer Communications," in Proc., Fall Joint Computer Conference, pp. 281-285 (1970)	
		R.L. Brewster and A.M. Glass, "Throughput Analysis of Non-Persistent and Slotted Non-Persistent CSMA/CA Protocols," in 4th International Conference on Land Mobile Radio, Institution of Electronic and Radio Engineers, pp. 231-236 (1987)	

Examiner Signature		Date Considered	6/18/03
--------------------	---	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

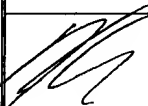

Substitute for Form 1449A/PTO (Modified)				Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/248,738	
				Filing Date	February 10, 1999	
				First Named Inventor:	David A. Beyer	
				Group Art Unit	2666	
				Examiner Name	Harper, K.C.	
Attorney Docket Number	3867P001					
OTHER ART - NO PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				T ²
		H.S. Chhaya and S. Gupta, "Performance Modeling of Asynchronous Data Transfer Methods of IEEE 802.11 MAC Protocol," Wireless Networks, Vol. 3, No. 3, pp. 217-234 (1997)				
		C.L. Fullmer and J.J. Garcia-Luna-Aceves, "FAMA-PJ: A Channel Access Protocol for Wireless LANs," Proc. First International Conference on Mobile Computing and Networking 1995, Berkeley, California (November 14-15, 1995)				
		R. Garces and J.J. Garcia-Luna-Aceves, "Floor Acquisition Multiple Access with Collision Resolution," Proc. Second International Conference on Mobile Computing and Networking 1996, Rye, New York (November 10-12, 1996)				
		L. Kleinrock and M.O. Scholl, "Packet Switching in Radio Channels: New Conflict-Free Multiple Access Schemes," IEEE Trans. Commun., Vol. COM-28, pp. 1015-1029 (1980)				
		J. Meditch and C. Lea, "Stability and Optimization of CSMA and CSMA/CD Channels," in Advances in Local Area Networks, IEEE Press, pp. 340-362 (1987)				
		R. Rom and M. Sidi, "Multiple Access Protocols Performance and Analysis," Springer-Verlag (1990)				
		Takagi and L. Kleinrock, "Output processes in contention packet broadcasting systems," IEEE Trans. Commun., Vol. COM-33, No. 11, pp. 1191-1199 (1985)				
		F. Tobagi, "Random Access Techniques for data transmission over packet switched radio networks," PhD Thesis, University of California, Los Angeles, Computer Science Department, School of Engineering and Applied Science, Report UCLA-ENG 7499 (1974)				
		F.A. Tobagi and L. Kleinrock, "The Effect of Acknowledgement Traffic on the Capacity of Packet-Switched Radio Channels," IEEE Trans. Commun. Vol. COM-26, No. 6, pp. 815-826 (1978)				
		J. Weinmiller, M. Schlager, A. Festag, and A. Wolisz, "Performance Study of Access Control in Wireless LANs--IEEE 802.11 DFWMAC and ETSI RES 10 Hiperlan," Mobile Networks and Applications, Vol. 2, No. 1, pp. 55-68 (June 1997)				
		J.J. Garcia-Luna-Aceves and David Beyer, "Wireless Internet Gateways (WINGS), pp. 1-6				

Examiner Signature		Date Considered	6/18/03
-----------------------	--	--------------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> APR 23 2003 PATENT & TRADEMARK		Complete if Known	
		Application Number	09/248,738
		Filing Date	February 10, 1999
		First Named Inventor:	David A. Beyer
		Group Art Unit	2666
		Examiner Name	Harper, K.C.
Sheet 8 of 8	Attorney Docket Number	3867P001	Technology Center 2600
OTHER ART – NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		R.E. Kahn, et al., "Advances in Packet Radio Technology," Invited Paper, Proceedings of the IEEE, Vol. 66, No.11, pp. 1468-1496 (November 1978)	
		David A. Beyer, "Survivable Adaptive Networks (SURAN) Program: Volume II, Executive Summary," Final Report, March 1992.	
		David A. Beyer, "Survivable Adaptive Networks (SURAN) Program: Volume III, Technical," Final Report, March 1992.	
		G. Jones, "Packet Radio: What? Why? How? Articles and Information on General Packet Radio Topics, published by Tuscon Amateur Packet Radio Corporation, Tucson, AZ, pp. i-vii, 1-87, and 98-132 (1995)	
		D. Beyer, M. D. Vestrich, and J. J. Garcia-Luna-Aceves, "The Rooftop Community Network: Free, High-Speed Network Access for Communities", The First 100 Feet: New Options for Internet and Broadband Access (Hurley and Keller, Eds.), Harvard Information Infrastructure Project, The MIT Press, pp. 75-91 (1999)	
		Revisions to IEEE Std 802.11-1997 IEEE Standard for Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY), IEEE Draft 802.11rev/D6.2 (July 1998)	
		D.A. Beyer, et al., "Packet Radio Network Research, Development and Application," Symposium on Packet Radio, Symposium Proceedings SP-5, Volume 1, pp. 1-73 (April 1989)	
		SPARROW Quarterly Progress Reports, Q198-Q498, http://www.soc.ucsc.edu/research/ccrg/reports/SPARROW/q1-98.html (also q2-98.html, q3-98.html, and q4-98.html) (September 18, 1997 through September 1, 1998).	

Examiner Signature		Date Considered	6/18/03
--------------------	---	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for Form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/248,738
Filing Date	February 10, 1999
First Named Inventor:	David A. Beyer
Art Unit	2666
Examiner Name	Harper, K.C.
Attorney Docket Number	3867P001

NON PATENT LITERATURE DOCUMENTS

[illegible]

RECEIVED

MAY 13 2003

Technology Center 2600

Examiner Signature		Date Considered	6/18/20
--------------------	---	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.